

ABSTRACT

The invention aims to provide a phosphor multilayer eliminating a need for filters, having a satisfactory color purity and useful in white monochromatic EL devices, and an EL panel. Such objects are achieved by a phosphor multilayer comprising at least a first thin film and a second thin film wherein the first thin film is formed of a matrix material comprising barium aluminate as a main component, containing sulfur element and further containing Eu as a luminescent center, and the second thin film is formed of a matrix material comprising zinc sulfide as a main component, and an EL panel using the same.